

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2017 Levee Inspection Results

Reclamation District No. 0404 Boggs

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Reclamation District No. 0404 Boggs

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	2.35
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/6/2017 - 4/6/2017			
DWR Inspector	Richard Willoughby			
Accompanied By	Bob Winter KSN			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD0404_01_s_2013_24				
Comment Code					
Inspector Comment					
The LMA has a copy of the O & M Manual on file.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	25
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD0404_01_s_2013_25				
Comment Code					
Inspector Comment					
LMA has adequate flood fight supplies on hand.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	26
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				
DWR ID	DWR_RD0404_01_s_2013_26				
Comment Code					
Inspector Comment					
LMA staff are maintaining their flood fight training with the last two years.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	30
LM End	2.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.942193 °	37.920442 °	
			-121.345138 °	-121.318502 °	
DWR ID	DWR_RD0404_01_s_2017_30				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.00	Rating **	M	Issue No.	39
LM End	2.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.942193 °	37.920442 °	
			-121.345138 °	-121.318502 °	
DWR ID	DWR_RD0404_01_s_2017_39				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.11	Rating **	M	Issue No.	43
LM End	0.11	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Crown Surface / Depressions / Rutting		37.940830 °	37.940830 °	
			-121.344030 °	-121.344030 °	
DWR ID	DWR_RD0404_01_s_2017_43				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.13	Rating **	C	Issue No.	31
LM End	0.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.940677 °	37.940677 °
				-121.343790 °	-121.343790 °
DWR ID	DWR_RD0404_01_s_2015_31				
Comment Code					
MA : Material					
Inspector Comment					
Remove the large concrete blocks from landward slope. LMA corrected issue.					

No Photos

LM Start	0.34	Rating **	U	Issue No.	32
LM End	0.34	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.939190 °	37.939190 °
				-121.338280 °	-121.338280 °
DWR ID	DWR_RD0404_01_s_2017_32				
Comment Code					
Inspector Comment					
07/25/2016: No significant change observed.					
06/24/2015: No significant change observed.					
06/19/2014: No significant change observed.					
08/13/2013: No significant change at this site.					
08/7/2012: The erosion is next to a repaired site and approximately 400 feet downstream of a river bend. There are broken concretes at the upper levee slope, but not visible at the levee toe or lower slope. Likely the protection concrete blocks have been washed away. [2016 Site ID:RD0404U01RM41.11]					

Photo 1 of 2 : SP_2017_RD0404_305_32_20170316_00021.jpg



Front view of the site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Reclamation District No. 0404 Boggs

Front view of the site.

Looking at partialled grouted rodent hole on levee crown (Fall 2014).

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.43	Rating **	A/W	Issue No.	5 (cont)	
LM End	0.43	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.939635 °		37.939635 °
				-121.339063 °		-121.339063 °
DWR ID	DWR_RD0404_01_s_2013_5					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
District grouted hole, and the deficiency still exist.						

LM Start	0.43	Rating **	A/W	Issue No.	5 (cont)
LM End	0.43	Issue Type +	Ma	Location *	CR

Photo 2 of 4 : SP_2017_RD0404_305_5_20170316_00005.jpg



Looking at partially grouted rodent hole on levee crown

Photo 3 of 4 : SP_2017_RD0404_305_5_20170316_00006.jpg



Looking at rodent hole on levee crown.

LM Start	0.43	Rating **	A/W	Issue No.	5 (cont)
LM End	0.43	Issue Type +	Ma	Location *	CR

Photo 4 of 4 : SP_2017_RD0404_305_5_20170316_00007.jpg



Looking at one of several rodent holes on levee crown.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.48	Rating **	U	Issue No.	103
LM End	0.48	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.939640 °	37.939640 °
				-121.338175 °	-121.338175 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51163 DS_ID:22968 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/29/2016 Flap gates still missing. Pipe open on WS. Could not locate on LS. (K. Fazel - UCIP)03/26/2013 Flap gate missing from WS toe. (P. Amatya - DWR) FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe, approximately 18 feet below the crown. Pipes may not fully penetrate levee as they do not daylight on the landside (LS). Pipes are field discovered with no mention in any reference. FS Date: 11/29/2016					

LM Start	0.48	Rating **	U	Issue No.	103 (cont)
LM End	0.48	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP_SP_2017_51163_20082.jpg



WS- two CM pipes with damaged flap gates

Photo 2 of 3 : UCIP_SP_2017_51163_20081.jpg



WS- left CM pipe with missing flap gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.48	Rating **	U	Issue No.	103 (cont)
LM End	0.48	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.939640 °	37.939640 °
				-121.338175 °	-121.338175 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51163					
DS_ID:22968					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: 11/29/2016 Flap gates still missing. Pipe open on WS. Could not locate on LS. (K. Fazel - UCIP)03/26/2013 Flap gate missing from WS toe. (P. Amatya - DWR)					
FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe, approximately 18 feet below the crown. Pipes may not fully penetrate levee as they do not daylight on the landside (LS). Pipes are field discovered with no mention in any reference.					
FS Date: 11/29/2016					

Photo 3 of 3 : UCIP_SP_2017_51163_20080.jpg



WS- closer look at left CM pipe with missing flap gate

LM Start	0.48	Rating **	U	Issue No.	104
LM End	0.48	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.939640 °	37.939640 °
				-121.338175 °	-121.338175 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51164 DS_ID:22969 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/29/2016 Flap gate appears to be either missing or broken. Pipes submerged on WS with concrete block on one pipe during inspection. No pipes found on LS. (K. Fazel - UCIP)03/29/2013 Pipe has broken flap gate. (P. Amatya - DWR) FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe, approximately 18 feet below the crown. Pipes may not fully penetrate levee as they do not daylight on the landside (LS). Pipes are field discovered with no mention in any reference. FS Date: 11/29/2016					

Photo 1 of 3 : UCIP_SP_2017_51164_20086.jpg



WS- two CM pipes with damaged flap gates

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.48	Rating **	U	Issue No.	104 (cont)
LM End	0.48	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.939640 °	37.939640 °
				-121.338175 °	-121.338175 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51164 DS_ID:22969 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/29/2016 Flap gate appears to be either missing or broken. Pipes submerged on WS with concrete block on one pipe during inspection. No pipes found on LS. (K. Fazel - UCIP)03/29/2013 Pipe has broken flap gate. (P. Amatya - DWR) FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe, approximately 18 feet below the crown. Pipes may not fully penetrate levee as they do not daylight on the landside (LS). Pipes are field discovered with no mention in any reference. FS Date: 11/29/2016					

LM Start	0.48	Rating **	U	Issue No.	104 (cont)
LM End	0.48	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_SP_2017_51164_20085.jpg



WS- right CM pipe with damaged flap gate

Photo 3 of 3 : UCIP_SP_2017_51164_20084.jpg



WS- closer view of right CM pipe with damaged flap gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.65	Rating **	M	Issue No.	105
LM End	0.65	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.938670 °	37.938670 °
				-121.335397 °	-121.335397 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51168 DS_ID:17952 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Steel intake structure on landside of the levee. FIELD_STRUCT_DESC: 2 of 3: 30-inch corrugated metal drainage pipe through the levee, 22 feet below the crown. Flap gates on the waterside (WS) ends. Steel intake structure on the landside (LS). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/26/2013					

Photo 1 of 3 : UCIP_SP_2017_51168_20041.jpg



LS- intake structure

Photo 2 of 3 : UCIP_SP_2017_51168_20040.jpg



LS- overview of land side of the levee.

LM Start	0.65	Rating **	M	Issue No.	105 (cont)
LM End	0.65	Issue Type +	En	Location *	CR

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.65	Rating **	M	Issue No.	105 (cont)	
LM End	0.65	Issue Type +	En	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.938670 °	37.938670 °	
				-121.335397 °	-121.335397 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51168 DS_ID:17952 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Steel intake structure on landside of the levee. FIELD_STRUCT_DESC: 2 of 3: 30-inch corrugated metal drainage pipe through the levee, 22 feet below the crown. Flap gates on the waterside (WS) ends. Steel intake structure on the landside (LS). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/26/2013						

Photo 3 of 3 : UCIP_SP_2017_51168_20042.jpg



WS- CM pipes with damaged flap gates

LM Start	0.66	Rating **	U	Issue No.	106
LM End	0.66	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.938670 °	37.938670 °
				-121.335397 °	-121.335397 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51166					
DS_ID:18811					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: 12/13/2016 Since previous inspector and 2006 Levee Log cite damage to flap gate, I have upgraded this crossing from Non-Urgent to Urgent. Flap gates need to be in good working condition. (K. Fazel - UCIP)03/26/2013 Steel intake structure on LS. (P. Amatya - DWR)12/26/2006 Landward end filled with dirt. Middle flap gate missing and right flap gate broken as of 1/24/07. (DWR Levee Log)					
FIELD_STRUCT_DESC: 3 of 3: 30-inch corrugated metal drainage pipe through the levee, 22 feet below the crown. Flap gates on the waterside (WS) ends. Steel intake structure on the landside (LS). [Additional Reference(s): DWR Levee Log, 2006].					
FS Date: 3/26/2013					

Photo 1 of 3 : UCIP_SP_2017_51166_20047.jpg



LS- steel intake structure

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.66	Rating **	U	Issue No.	106 (cont)
LM End	0.66	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.938670 °	37.938670 °
				-121.335397 °	-121.335397 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51166 DS_ID:18811 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 12/13/2016 Since previous inspector and 2006 Levee Log cite damage to flap gate, I have upgraded this crossing from Non-Urgent to Urgent. Flap gates need to be in good working condition. (K. Fazel - UCIP)03/26/2013 Steel intake structure on LS. (P. Amatya - DWR)12/26/2006 Landward end filled with dirt. Middle flap gate missing and right flap gate broken as of 1/24/07. (DWR Levee Log) FIELD_STRUCT_DESC: 3 of 3: 30-inch corrugated metal drainage pipe through the levee, 22 feet below the crown. Flap gates on the waterside (WS) ends. Steel intake structure on the landside (LS). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/26/2013					

Photo 2 of 3 : UCIP_SP_2017_51166_20046.jpg



WS- CM pipes and damaged flap gates

LM Start	0.66	Rating **	U	Issue No.	106 (cont)
LM End	0.66	Issue Type +	En	Location *	CR

Photo 3 of 3 : UCIP_SP_2017_51166_20048.jpg



LS- overview of landside of the levee

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.66	Rating **	U	Issue No.	107
LM End	0.66	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.938670 °	37.938670 °
				-121.335397 °	-121.335397 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51167					
DS_ID:18810					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: 12/13/2016 Since previous inspector and 2006 Levee Log cite damage to flap gate, I have upgraded this crossing from Non-Urgent to Urgent. Flap gates need to be in good working condition. (K. Fazel - UCIP)03/26/2013 Steel intake structure on LS. (P. Amatya - DWR)12/26/2006 Landward end filled with dirt. Middle flap gate missing and right flap gate broken as of 1/24/07. (DWR Levee Log)					
FIELD_STRUCT_DESC: 1 of 3: 30-inch corrugated metal drainage pipe through the levee, 22 feet below the crown. Flap gates on the waterside (WS) ends. Steel intake structure on the landside (LS). [Additional Reference(s): DWR Levee Log, 2006].					
FS Date: 3/26/2013					

Photo 1 of 3 : UCIP_SP_2017_51167_20054.jpg



LS- steel intake structure

LM Start	0.66	Rating **	U	Issue No.	107 (cont)
LM End	0.66	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_SP_2017_51167_20053.jpg



WS- CM pipes with damaged flap gates

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.66	Rating **	U	Issue No.	107 (cont)
LM End	0.66	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.938670 °	37.938670 °
				-121.335397 °	-121.335397 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51167 DS_ID:18810 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 12/13/2016 Since previous inspector and 2006 Levee Log cite damage to flap gate, I have upgraded this crossing from Non-Urgent to Urgent. Flap gates need to be in good working condition. (K. Fazel - UCIP)03/26/2013 Steel intake structure on LS. (P. Amatya - DWR)12/26/2006 Landward end filled with dirt. Middle flap gate missing and right flap gate broken as of 1/24/07. (DWR Levee Log) FIELD_STRUCT_DESC: 1 of 3: 30-inch corrugated metal drainage pipe through the levee, 22 feet below the crown. Flap gates on the waterside (WS) ends. Steel intake structure on the landside (LS). [Additional Reference(s): DWR Levee Log, 2006]. FS Date: 3/26/2013					

Photo 3 of 3 : UCIP_SP_2017_51167_20052.jpg



LS- overview of landside of the levee.

LM Start	0.75	Rating **	M	Issue No.	7
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.937758 °	37.937758 °
				-121.334149 °	-121.334149 °
DWR ID	DWR_RD0404_01_s_2012_7				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0404_305_7_20170316_00008.jpg



Looking southeast at elderberry on landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.75	Rating **	U	Issue No.	108
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.937657 °	37.937657 °
				-121.334158 °	-121.334158 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51169					
DS_ID:17945					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: 11/29/2016 Flap gate still buried with sediment on WS. Requires clearing. (K. Fazel - UCIP)03/26/2013 Partially burried flap gate (P. Amatya - DWR)					
FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe, 18 feet below the crown. Flap gate, concrete headwall and spillway on the waterside (WS). Pumphouse on the landside (LS). Abandoned concrete headwall, power pole, and two wooden piles found on the LS.					
[Additional Reference(s): DWR Levee Log, 2006. USACE San Joaquin O&M Manual 001, March 1963 (HLM 0.78)]. Pipe likely belongs to the City of Stockton.					
FS Date: 11/29/2016					

LM Start	0.75	Rating **	U	Issue No.	108 (cont)
LM End	0.75	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_51169_19962.jpg



WS- drainage outlet structure and CM pipe with flapgate

Photo 2 of 3 : UCIP_SP_2017_51169_19961.jpg



WS- Debris and vegetation blocking CM drainage pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.75	Rating **	U	Issue No.	108 (cont)	
LM End	0.75	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.937657 °	37.937657 °	
				-121.334158 °	-121.334158 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51169						
DS_ID:17945						
EP_NO: N/A						
Repair Type: Urgent						
Crossing Status: Found						
UCIP Comments: 11/29/2016 Flap gate still buried with sediment on WS. Requires clearing. (K. Fazel - UCIP)03/26/2013 Partially buried flap gate (P. Amatya - DWR)						
FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe, 18 feet below the crown. Flap gate, concrete headwall and spillway on the waterside (WS). Pumphouse on the landside (LS). Abandoned concrete headwall, power pole, and two wooden piles found on the LS.						
[Additional Reference(s): DWR Levee Log, 2006. USACE San Joaquin O&M Manual 001, March 1963 (HLM 0.78)]. Pipe likely belongs to the City of Stockton.						
FS Date: 11/29/2016						

Photo 3 of 3 : UCIP_SP_2017_51169_19960.jpg



WS- slightly tilted outlet structure

LM Start	0.78	Rating **	M	Issue No.	8
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.937395 °	37.937395 °
				-121.333883 °	-121.333883 °
DWR ID	DWR_RD0404_01_s_2013_8				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trees are blocking view of the slope.					

Photo 1 of 1 : SP_2017_RD0404_305_8_20170316_00009.jpg



Looking southeast at dense trees on landward slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.79	Rating **	M	Issue No.	109
LM End	0.79	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.937212 °	37.937212 °
				-121.333762 °	-121.333762 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46810 DS_ID:17946 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned; if so should be done so properly. FIELD_STRUCT_DESC: Underground telephone cable through levee and across channel. Non-operational. FS Date: 8/4/2015					

Photo 1 of 3 : UCIP_SP_2017_46810_74753.jpg



WS view looking south: conduits penetrating levee slope now disconnected with those attached to bridge

LM Start	0.79	Rating **	M	Issue No.	109 (cont)
LM End	0.79	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_46810_74754.jpg



WS view looking west: conduits thru levee and attached to bridge

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.79	Rating **	M	Issue No.	109 (cont)	
LM End	0.79	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.937212 °		37.937212 °
				-121.333762 °		-121.333762 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:46810 DS_ID:17946 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned; if so should be done so properly. FIELD_STRUCT_DESC: Underground telephone cable through levee and across channel. Non-operational. FS Date: 8/4/2015						

Photo 3 of 3 : UCIP_SP_2017_46810_74755.jpg



WS view at crossing looking north

LM Start	0.89	Rating **	M	Issue No.	17
LM End	0.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.936159 °	37.936159 °
				-121.332711 °	-121.332711 °
DWR ID	DWR_RD0404_01_f_2012_17				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.95	Rating **	M	Issue No.	2
LM End	0.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.935990 °	37.935990 °
				-121.331600 °	-121.331600 °
DWR ID	DWR_RD0404_01_s_2012_2				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries are partially blocking the visibility.					

No Photos

LM Start	0.98	Rating **	U	Issue No.	42
LM End	0.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.935918 °	37.935918 °
				-121.331032 °	-121.331032 °
DWR ID	DWR_RD0404_01_s_2017_42				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0404_305_42_20170407_00070.jpg



Looking west at large animal hole (den) on waterward shoulder.

LM Start	0.98	Rating **	U	Issue No.	42 (cont)
LM End	0.98	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD0404_305_42_20170407_00071.jpg



Looking northwest at large animal hole (den) on waterward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.04	Rating **	C	Issue No.	3
LM End	1.04	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.935622 °	37.935622 °
				-121.330137 °	-121.330137 °
DWR ID	DWR_RD0404_01_f_2013_3				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Downed tree on waterward slope and shoulder.					

No Photos

LM Start	1.07	Rating **	A/W	Issue No.	102
LM End	1.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.935358 °	37.935358 °
				-121.329645 °	-121.329645 °
DWR ID	DWR_RD0404_01_s_2012_102				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
LMA corrected issue.					

Photo 1 of 2 : SP_2017_RD0404_305_102_20170316_00032.jpg



Looking northwest at untrimmed tree on waterward slope.

LM Start	1.07	Rating **	A/W	Issue No.	102 (cont)
LM End	1.07	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD0404_305_102_20170407_00072.jpg



Looking northwest at trimmed tree on waterward slope. (Spring 2017)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.09	Rating **	M	Issue No.	4
LM End	1.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.935158 °	37.935158 °
				-121.329365 °	-121.329365 °
DWR ID	DWR_RD0404_01_f_2013_4				
Comment Code					
Inspector Comment					
Concrete rubble with rebar should be removed.					

Photo 1 of 1 : SP_2017_RD0404_305_4_20170316_00003.jpg



Looking southwest at concrete rubble with rebar on waterward slope.

LM Start	1.09	Rating **	M	Issue No.	110
LM End	1.09	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.935195 °	37.935195 °
				-121.329398 °	-121.329398 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46801 DS_ID:25128 EP_NO: 1164 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Conversation with WWTP engineer Ali Gharegozloo suggested this pipe has been welded shut. If so, mode of abandonment needs verification. FIELD_STRUCT_DESC: 60-inch reinforced concrete sewage pipe 27 FBC. Reinforced concrete apron and cut-off walls, steel sheet piling apron installed with pipe on WS slope. Headwall, stairs, pump with shutoff valve visible on WS slope. Apparent shut off valves 30 ft off LS toe in alignment with pipe. Permit No. 1164, 1947. FS Date: 7/9/2015					

Photo 1 of 3 : UCIP_SP_2017_46801_74745.jpg



LS view: apparent shut off valves on WWTP property in alignment with 60-inch pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.09	Rating **	M	Issue No.	110 (cont)	
LM End	1.09	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.935195 °		37.935195 °
				-121.329398 °		-121.329398 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:46801						
DS_ID:25128						
EP_NO: 1164						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Conversation with WWTP engineer Ali Gharegozloo suggested this pipe has been welded shut. If so, mode of abandonment needs verification.						
FIELD_STRUCT_DESC: 60-inch reinforced concrete sewage pipe 27						
FBC. Reinforced concrete apron and cut-off walls, steel sheet piling apron installed with pipe on WS slope. Headwall, stairs, pump with shutoff valve visible on WS slope. Apparent shut off valves 30 ft off LS toe in alignment with pipe. Permit No. 1164, 1947.						
FS Date: 7/9/2015						

LM Start	1.09	Rating **	M	Issue No.	110 (cont)
LM End	1.09	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_46801_74747.jpg



WS view: pump with shutoff valves, headwall, stairs visible. Concrete debris along WS slope.

Photo 3 of 3 : UCIP_SP_2017_46801_74748.jpg



WS view: closeup of pump. CMP riser for USGS gage behind pump.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.15	Rating **	C	Issue No.	38
LM End	1.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.934492 °	37.934492 °
				-121.328570 °	-121.328570 °
DWR ID	DWR_RD0404_01_s_2016_38				
Comment Code					
Inspector Comment					
Concrete with rebar on waterward shoulder and slope.					

No Photos

LM Start	1.19	Rating **	U	Issue No.	101
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.934058 °	37.934058 °
				-121.328188 °	-121.328188 °
DWR ID	DWR_RD0404_01_f_2016_101				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation on landward slope.					

Photo 1 of 2 : SP_2017_RD0404_305_101_20170316_00030.jpg



Looking east at dense vegetation on landward slope. (Fall 2016)

LM Start	1.19	Rating **	U	Issue No.	101 (cont)
LM End	1.19	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD0404_305_101_20170316_00031.jpg



Looking southeast at overhanging trees on landside slope. (Fall 2015)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.35	Rating **	U	Issue No.	100
LM End	1.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.931945 °	37.931945 °
				-121.327150 °	-121.327150 °
DWR ID	DWR_RD0404_01_s_2012_100				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0404_305_100_20170316_00029.jpg



Looking northwest at untrimmed trees on waterward slope.

LM Start	1.44	Rating **	M	Issue No.	41
LM End	1.46	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.930450 °	37.930450 °
				-121.327450 °	-121.327450 °
DWR ID	DWR_RD0404_01_s_2017_41				
Comment Code					
Inspector Comment					
07/25/2016: No significant change observed.					
06/24/2015: No significant change observed.					
06/19/2014: A series of scarp erosions have been found on the lower levee slope and at the levee toe. [2016 Site ID:RD0404U01RM42.02]					

Photo 1 of 2 : SP_2017_RD0404_305_41_20170316_00027.jpg



Downstream view of the erosion.

LM Start	1.44	Rating **	M	Issue No.	41 (cont)
LM End	1.46	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD0404_305_41_20170316_00028.jpg



Close view of the erosion. The upstream end of the site is protected by riprap revetment.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.50	Rating **	A/W	Issue No.	27
LM End	1.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.896544 °	37.896544 °
				-121.327121 °	-121.327121 °
DWR ID	DWR_RD0404_01_f_2016_27				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0404_305_27_20170316_00015.jpg



Looking west at untrimmed trees on waterward slope.

LM Start	1.55	Rating **	C	Issue No.	37
LM End	1.55	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.929065 °	37.929065 °
				-121.327265 °	-121.327265 °
DWR ID	DWR_RD0404_01_s_2016_37				
Comment Code					
PI : Pipe					
Inspector Comment					
3-4 inch depression across levee crown. LMA corrected					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.55	Rating **	M	Issue No.	111
LM End	1.55	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.929046 °	37.929046 °
				-121.327248 °	-121.327248 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50763 DS_ID:18708 EP_NO: 4175 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/17/2016 FPIIB Inspector Richard Willoughby noted 3-4 inch depression over pipes on crown, an indication of possible pipe collapse. (K. Fazel - UCIP) FIELD_STRUCT_DESC: 1 of 2. 12-inch-diameter steel pipes through levee, 5.0 feet below the crown. Siphon breakers on the waterward shoulder. Pump and electric control panel/pole on landside approximately 200 ft from levee. (Permit No. 4175-1963) FS Date: 11/17/2016					

LM Start	1.55	Rating **	M	Issue No.	111 (cont)
LM End	1.55	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP_SP_2017_50763_20104.jpg



LS- overview of pipe and pump (far right)

Photo 2 of 3 : UCIP_SP_2017_50763_20103.jpg



WS- steel pipes and siphon breakers in steel pipe risers.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.55	Rating **	M	Issue No.	111 (cont)
LM End	1.55	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.929046 °	37.929046 °
				-121.327248 °	-121.327248 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50763 DS_ID:18708 EP_NO: 4175 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/17/2016 FPIIB Inspector Richard Willoughby noted 3-4 inch depression over pipes on crown, an indication of possible pipe collapse. (K. Fazel - UCIP) FIELD_STRUCT_DESC: 1 of 2. 12-inch-diameter steel pipes through levee, 5.0 feet below the crown. Siphon breakers on the waterward shoulder. Pump and electric control panel/pole on landside approximately 200 ft from levee. (Permit No. 4175-1963) FS Date: 11/17/2016					

Photo 3 of 3 : UCIP_SP_2017_50763_20102.jpg



LS- pipes and pumps (center)

LM Start	1.55	Rating **	M	Issue No.	112
LM End	1.55	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.929046 °	37.929046 °
				-121.327248 °	-121.327248 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50764 DS_ID:17955 EP_NO: 4175 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/17/2016 FPIIB Inspector Richard Willoughby noted 3-4 inch dip in crown over pipes, an indication of possible pipe collapse. (K. Fazel - UCIP) FIELD_STRUCT_DESC: 2 of 2. 12-inch-diameter pipes through levee, 5.0 feet below the crown. Siphon breakers on the waterward shoulder. Power pole, electric control panel and pump about 200 ft from the levee on landside. (Permit No. 4175-1963) FS Date: 11/17/2016					

Photo 1 of 3 : UCIP_SP_2017_50764_19994.jpg



WS- steel pipes and siphon breakers in steel pipe risers.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.55	Rating **	M	Issue No.	112 (cont)	
LM End	1.55	Issue Type +	En	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.929046 °		37.929046 °
				-121.327248 °		-121.327248 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:50764 DS_ID:17955 EP_NO: 4175 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/17/2016 FPIIB Inspector Richard Willoughby noted 3-4 inch dip in crown over pipes, an indication of possible pipe collapse. (K. Fazel - UCIP) FIELD_STRUCT_DESC: 2 of 2. 12-inch-diameter pipes through levee, 5.0 feet below the crown. Siphon breakers on the waterward shoulder. Power pole, electric control panel and pump about 200 ft from the levee on landside. (Permit No. 4175-1963) FS Date: 11/17/2016						

LM Start	1.55	Rating **	M	Issue No.	112 (cont)
LM End	1.55	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_SP_2017_50764_19996.jpg



LS- pipe and pump on far left.

Photo 3 of 3 : UCIP_SP_2017_50764_19995.jpg



LS- pipes and pumps on center.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.57	Rating **	M	Issue No.	113
LM End	1.57	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.928718 °	37.928718 °
				-121.327206 °	-121.327206 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:12386 DS_ID:17956 EP_NO: 15562 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: According to Bob Winter of KSN/LMA representative. Fiber optics cable goes through levee. No sign/indicators found. And photos not taken. FIELD_STRUCT_DESC: 4-inch steel pipe with fiber optics communication cable through levee. Cable Crosses the channel. (Permit No. 15562-1991). The pipe is 34 feet below the levee crown. FS Date: 3/26/2013					

Photo 1 of 1 : UCIP_SP_2017_12386_20062.jpg



Aerial Photo @HLM=1.5791: No sign posts/markers found.

LM Start	1.57	Rating **	M	Issue No.	36
LM End	1.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.928717 °	37.928717 °
				-121.327132 °	-121.327132 °
DWR ID	DWR_RD0404_01_s_2016_36				
Comment Code					
GA : Garbage					
Inspector Comment					
Garbage on landward slope and toe.					

Photo 1 of 1 : SP_2017_RD0404_305_36_20170316_00024.jpg



Looking east at garbage on landward slope and toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.62	Rating **	M	Issue No.	35
LM End	1.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.928240 °	37.928240 °
				-121.326567 °	-121.326567 °
DWR ID	DWR_RD0404_01_s_2016_35				
Comment Code					
GA : Garbage					
Inspector Comment					

No Photos

LM Start	1.64	Rating **	M	Issue No.	114
LM End	1.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.928090 °	37.928090 °
				-121.326215 °	-121.326215 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40487 DS_ID:18812 EP_NO: 10897 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned crossing. WS pipe capped with steel pipe and LS pipe cut. FIELD_STRUCT_DESC: Abandoned 14-inch irrigation pipe. 3.0 feet below levee crown (Permit No. 10897). FS Date: 3/26/2013					

Photo 1 of 3 : UCIP_SP_2017_40487_20064.jpg



WS- steel pipe capped with steel plate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.64	Rating **	M	Issue No.	114 (cont)
LM End	1.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.928090 °	37.928090 °
				-121.326215 °	-121.326215 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:40487 DS_ID:18812 EP_NO: 10897 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned crossing. WS pipe capped with steel pipe and LS pipe cut. FIELD_STRUCT_DESC: Abandoned 14-inch irrigation pipe. 3.0 feet below levee crown (Permit No. 10897). FS Date: 3/26/2013					

Photo 2 of 3 : UCIP_SP_2017_40487_20063.jpg



LS- concrete standpipe on levee slope

LM Start	1.64	Rating **	M	Issue No.	114 (cont)
LM End	1.64	Issue Type +	En	Location *	WS

Photo 3 of 3 : UCIP_SP_2017_40487_20065.jpg



WS- abandoned steel pipe capped with steel plate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.70	Rating **	A/W	Issue No.	29
LM End	1.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.927517 °	37.926632 °
				-121.325515 °	-121.324868 °
DWR ID	DWR_RD0404_01_s_2015_29				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Dense untrimmed trees on waterward slope. Army Corp veg site.Tree and woody vegetation planted by the DWR but not being maintain according to agreement.					

Photo 1 of 2 : SP_2017_RD0404_305_29_20170316_00018.jpg



Looking north at dense vegetation on waterward slope.

LM Start	1.70	Rating **	A/W	Issue No.	29 (cont)
LM End	1.77	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD0404_305_29_20170316_00019.jpg



Looking south at dense vegetation on waterward slope.

LM Start	1.75	Rating **	M	Issue No.	34
LM End	1.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.926830 °	37.926830 °
				-121.324998 °	-121.324998 °
DWR ID	DWR_RD0404_01_s_2016_34				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.81	Rating **	M	Issue No.	115
LM End	1.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.926168 °	37.926168 °
				-121.324514 °	-121.324514 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:40797
DS_ID:17961
EP_NO: 6560
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Damaged siphon breaker in pipe riser near the landward shoulder.
FIELD_STRUCT_DESC: 8-inch pipe through the levee, 7.0 feet below the crown, chain link fence around pump and motor on the waterward slope. (Permit. No. 6560)
FS Date: 3/26/2013

LM Start	1.81	Rating **	M	Issue No.	115 (cont)
LM End	1.81	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_40797_20073.jpg



WS- slanted pump, pipe, and concrete steps on levee slope.

Photo 2 of 3 : UCIP_SP_2017_40797_20072.jpg



WS- slanted pump, and pipe on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.81	Rating **	M	Issue No.	115 (cont)	
LM End	1.81	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.926168 °	37.926168 °	
				-121.324514 °	-121.324514 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:40797						
DS_ID:17961						
EP_NO: 6560						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Damaged siphon breaker in pipe riser near the landward shoulder.						
FIELD_STRUCT_DESC: 8-inch pipe through the levee, 7.0 feet below the crown, chain link fence around pump and motor on the waterward slope. (Permit. No. 6560)						
FS Date: 3/26/2013						

Photo 3 of 3 : UCIP_SP_2017_40797_20071.jpg



LS- damaged and obstructed siphon breaker on levee shoulder.

LM Start	2.00	Rating **	U	Issue No.	33
LM End	2.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.923673 °	37.923673 °
				-121.323015 °	-121.323015 °
DWR ID	DWR_RD0404_01_s_2016_33				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Dead tree on waterward slope					

Photo 1 of 1 : SP_2017_RD0404_305_33_20170316_00023.jpg



Looking west at dead tree on waterward slope.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	2.01	Rating **	M	Issue No.	16
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.923470 °	37.923470 °
				-121.322978 °	-121.322978 °
DWR ID	DWR_RD0404_01_f_2013_16				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Slope damage due to foot traffic.					

Photo 1 of 2 : SP_2017_RD0404_305_16_20170316_00011.jpg



Looking west at slope damage due to foot traffic.

LM Start	2.01	Rating **	M	Issue No.	16 (cont)
LM End	2.01	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD0404_305_16_20170316_00012.jpg



Looking southwest at slope damage due to foot traffic.

LM Start	2.08	Rating **	A/W	Issue No.	13
LM End	2.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.922669 °	37.922669 °
				-121.322272 °	-121.322272 °
DWR ID	DWR_RD0404_01_f_2012_13				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0404_305_13_20170316_00010.jpg



Looking northwest at untrimmed tree on waterward slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	2.35	04/06/2017 04/06/2017	Richard Willoughby

LM Start	2.11	Rating **	M	Issue No.	40
LM End	2.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.922290 °	37.922290 °
				-121.321853 °	-121.321853 °
DWR ID	DWR_RD0404_01_s_2017_40				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	2.21	Rating **	C	Issue No.	28	
LM End	2.21	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			37.921458 °		37.921458 °
				-121.320502 °		-121.320502 °
DWR ID	DWR_RD0404_01_s_2015_28					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Landward slope erosion.						

No Photos

LM Start	2.33	Rating **	C	Issue No.	23
LM End	2.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.920488 °	37.920338 °
				-121.318630 °	-121.318435 °
DWR ID	DWR_RD0404_01_s_2013_23				
Comment Code					
Inspector Comment					
LMA removed concrete and rebar from waterward slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Reclamation District No. 0404 Boggs

Waterway			Bank	Unit Miles
Unit No. 02 French Camp Slough			Right	1.75
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/6/2017 - 4/6/2017			
DWR Inspector	Richard Willoughby			
Accompanied By	Bob Winter KSN			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	9
LM End	1.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.920338 °	37.917075 °
				-121.318367 °	-121.291992 °
DWR ID	DWR_RD0404_02_s_2017_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.00	Rating **	M	Issue No.	16
LM End	1.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.920338 °	37.917075 °
				-121.318367 °	-121.291992 °
DWR ID	DWR_RD0404_02_s_2017_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.09	Rating **	M	Issue No.	13
LM End	1.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.919497 °	37.917663 °
				-121.317128 °	-121.299667 °
DWR ID	DWR_RD0404_02_f_2016_13				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.14	Rating **	U	Issue No.	14
LM End	0.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.918875 °	37.918875 °
				-121.316587 °	-121.316587 °
DWR ID	DWR_RD0404_02_f_2016_14				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0404_306_14_20170316_00003.jpg



Looking southeast at erosion on waterward slope.

LM Start	0.35	Rating **	M	Issue No.	3
LM End	0.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.918935 °	37.919543 °
				-121.313335 °	-121.311432 °
DWR ID	DWR_RD0404_02_s_2012_3				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent program not working.					

No Photos

LM Start	0.48	Rating **	M	Issue No.	8
LM End	0.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.919525 °	37.919525 °
				-121.311193 °	-121.311193 °
DWR ID	DWR_RD0404_02_s_2012_8				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent program not working.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.51	Rating **	C	Issue No.	12
LM End	0.51	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.919528 °	37.919528 °
				-121.310635 °	-121.310635 °
DWR ID	DWR_RD0404_02_f_2012_12				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
LMA corrected					

No Photos

LM Start	0.58	Rating **	M	Issue No.	24
LM End	0.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.919223 °	37.919223 °
				-121.309490 °	-121.309490 °
DWR ID	DWR_RD0404_02_s_2017_24				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.68	Rating **	U	Issue No.	21
LM End	0.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.919245 °	37.916652 °
				-121.307705 °	-121.305085 °
DWR ID	DWR_RD0404_02_s_2016_21				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Large holes noted on landward slope.					

Photo 1 of 2 : SP_2017_RD0404_306_21_20170316_00009.jpg



Looking northeast at large rodent hole on landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.68	Rating **	U	Issue No.	21 (cont)	
LM End	0.94	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.919245 °		37.916652 °
				-121.307705 °		-121.305085 °
DWR ID	DWR_RD0404_02_s_2016_21					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						
Large holes noted on landward slope.						

Photo 2 of 2 : SP_2017_RD0404_306_21_20170316_00010.jpg



Looking east at large rodent hole on landward slope.

LM Start	0.73	Rating **	M	Issue No.	68
LM End	0.73	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.919336 °	37.919336 °
				-121.306782 °	-121.306782 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10908					
DS_ID:18781					
EP_NO: 3340A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - Not working for 5 years- Golf club staff- Wooden					
Walkway; Concrete steps- Damaged siphon breaker					
FIELD_STRUCT_DESC: 6-inch pipe through the levee, 2.0 feet below					
the crown. Pump on pile structure in stream. Shut-off valve and siphon					
breaker on the waterward shoulder. Timber walkway on the waterward					
slope. One CM cutoff wall. (Permit No. 3340A)					
FS Date: 3/27/2013					

Photo 1 of 3 : UCIP_SP_2017_10908_18182.jpg



WS- pump on steel structure and wooden walkway

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.73	Rating **	M	Issue No.	68 (cont)	
LM End	0.73	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.919336 °	37.919336 °	
				-121.306782 °	-121.306782 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:10908						
DS_ID:18781						
EP_NO: 3340A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: - Not working for 5 years- Golf club staff- Wooden						
Walkway; Concrete steps- Damaged siphon breaker						
FIELD_STRUCT_DESC: 6-inch pipe through the levee, 2.0 feet below						
the crown. Pump on pile structure in stream. Shut-off valve and siphon						
breaker on the waterward shoulder. Timber walkway on the waterward						
slope. One CM cutoff wall. (Permit No. 3340A)						
FS Date: 3/27/2013						

Photo 2 of 3 : UCIP_SP_2017_10908_18181.jpg



WS- damaged, obstructed and buried siphon breaker

LM Start	0.73	Rating **	M	Issue No.	68 (cont)
LM End	0.73	Issue Type +	En	Location *	LS

Photo 3 of 3 : UCIP_SP_2017_10908_18180.jpg



LS- overview of LS slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.74	Rating **	M	Issue No.	69
LM End	0.74	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.919308 °	37.919308 °
				-121.306714 °	-121.306714 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:10945
DS_ID:18782
EP_NO: 4448
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Concrete stairway on waterward slope- Not found.
Pump was working during field survey. Siphon breaker cap missing.
FIELD_STRUCT_DESC: 18-inch pipe through the levee, 9.3 feet below the crown, pump on the landward side. Siphon breaker in concrete well on the waterward shoulder. Two CM cutoff walls. (Permit No. 4448)
FS Date: 3/27/2013

LM Start	0.74	Rating **	M	Issue No.	69 (cont)
LM End	0.74	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_10945_18248.jpg



WS- siphon breaker without cap in concrete riser

Photo 2 of 3 : UCIP_SP_2017_10945_18247.jpg



WS- concrete riser on steep levee slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	0.74	Rating **	M	Issue No.	69 (cont)	
LM End	0.74	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.919308 °	37.919308 °	
				-121.306714 °	-121.306714 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:10945						
DS_ID:18782						
EP_NO: 4448						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Concrete stairway on waterward slope- Not found.						
Pump was working during field survey. Siphon breaker cap missing.						
FIELD_STRUCT_DESC: 18-inch pipe through the levee, 9.3 feet below						
the crown, pump on the landward side. Siphon breaker in concrete well						
on the waterward shoulder. Two CM cutoff walls. (Permit No. 4448)						
FS Date: 3/27/2013						

Photo 3 of 3 : UCIP_SP_2017_10945_18250.jpg



LS- overview of pumping plant and levee slope

LM Start	1.08	Rating **	U	Issue No.	20
LM End	1.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.916383 °	37.916383 °
				-121.302802 °	-121.302802 °
DWR ID	DWR_RD0404_02_s_2016_20				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large rodent holes on landward slope and levee crown.					

Photo 1 of 3 : SP_2017_RD0404_306_20_20170407_00031.jpg



Looking northeast at rodent hole on landward shoulder.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.08	Rating **	U	Issue No.	20 (cont)	
LM End	1.08	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.916383 °		37.916383 °
				-121.302802 °		-121.302802 °
DWR ID	DWR_RD0404_02_s_2016_20					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Large rodent holes on landward slope and levee crown.						

Photo 2 of 3 : SP_2017_RD0404_306_20_20170316_00007.jpg



Looking at rodent hole on levee crown.

LM Start	1.08	Rating **	U	Issue No.	20 (cont)
LM End	1.08	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP_2017_RD0404_306_20_20170316_00008.jpg



Looking at rodent hole on landward slope.

LM Start	1.13	Rating **	M	Issue No.	67
LM End	1.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.916337 °	37.916337 °
				-121.301888 °	-121.301888 °
DWR ID	DWR_RD0404_02_s_2012_67				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Dense vegetation around propane tank inside fenced area.					

Photo 1 of 4 : SP_2017_RD0404_306_67_20170316_00011.jpg



Looking northeast at dense vegetation inside fenced area near pump station on landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.13	Rating **	M	Issue No.	67 (cont)	
LM End	1.13	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			37.916337 °	37.916337 °	
				-121.301888 °	-121.301888 °	
DWR ID	DWR_RD0404_02_s_2012_67					
Comment Code						
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						
Dense vegetation around propane tank inside fenced area.						

LM Start	1.13	Rating **	M	Issue No.	67 (cont)
LM End	1.13	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP_2017_RD0404_306_67_20170316_00012.jpg



Looking north at dense vegetation on landward toe around propane tank.

Photo 3 of 4 : SP_2017_RD0404_306_67_20170316_00013.jpg



Looking northeast at dense vegetation on landward toe. (Spring 2013)

LM Start	1.13	Rating **	M	Issue No.	67 (cont)
LM End	1.13	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : SP_2017_RD0404_306_67_20170316_00014.jpg



Looking east at dense vegetation near pump station on landside toe.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.13	Rating **	M	Issue No.	11
LM End	1.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.916347 °	37.916497 °
				-121.301887 °	-121.301095 °
DWR ID	DWR_RD0404_02_s_2012_11				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Grouting program is being used.					

No Photos

LM Start	1.14	Rating **	C	Issue No.	15
LM End	1.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.916388 °	37.916388 °
				-121.301683 °	-121.301683 °
DWR ID	DWR_RD0404_02_s_2015_15				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Remove dead stump.					

No Photos

LM Start	1.18	Rating **	M	Issue No.	22
LM End	1.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.916483 °	37.916483 °
				-121.301100 °	-121.301100 °
DWR ID	DWR_RD0404_02_s_2017_22				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0404_306_22_20170407_00032.jpg



Looking east at large rodent hole on landward slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.18	Rating **	M	Issue No.	22 (cont)	
LM End	1.18	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Animal Control			37.916483 °	37.916483 °	
				-121.301100 °	-121.301100 °	
DWR ID	DWR_RD0404_02_s_2017_22					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

Photo 2 of 2 : SP_2017_RD0404_306_22_20170407_00033.jpg



Looking southwest at several rodent holes on landward slope.

LM Start	1.18	Rating **	M	Issue No.	23
LM End	1.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.916483 °	37.916483 °
				-121.301100 °	-121.301100 °
DWR ID	DWR_RD0404_02_s_2017_23				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.23	Rating **	A/W	Issue No.	64
LM End	1.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.917042 °	37.917042 °
				-121.300400 °	-121.300400 °
DWR ID	DWR_RD0404_02_s_2012_64				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes on waterside shoulder and slope. The District is grouting the holes. But rodent program not working.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.24	Rating **	U	Issue No.	18
LM End	1.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.917092 °	37.917092 °
				-121.300352 °	-121.300352 °
DWR ID	DWR_RD0404_02_s_2016_18				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove dead tree from waterward slope.					

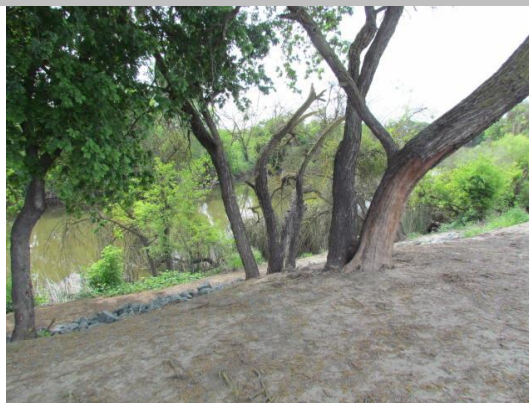
Photo 1 of 2 : SP_2017_RD0404_306_18_20170316_00005.jpg



Looking east at dead trees on waterward slope.

LM Start	1.24	Rating **	U	Issue No.	18 (cont)
LM End	1.24	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2017_RD0404_306_18_20170316_00006.jpg



Looking at close up view of dead trees on waterward slope.

LM Start	1.44	Rating **	A/W	Issue No.	61
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.918473 °	37.918535 °
				-121.297213 °	-121.295980 °
DWR ID	DWR_RD0404_02_s_2012_61				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Area backfilled by LMA					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.55	Rating **	M	Issue No.	70
LM End	1.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.918411 °	37.918411 °
				-121.295128 °	-121.295128 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51171 DS_ID:18792 EP_NO: 3340 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 11/29/2016 Pipe was not found. As per DWR Inspector Richard Willoughby, pipe was removed by City without a permit. Erosion cited previously has been backfilled. Backfill material on WS is redder in color than original material, indicating a recent backfill. Crossing has been downgraded from Urgent to Non-Urgent since no permit issued for this work. (K. Fazel - UCIP)03/27/2013 Abandoned and capped 3-in GI pipe found on WS. Damaged air-valve/siphon breaker found on LS.Gully formed due to leaky pipe. A pump house found on LS but it needs to be verified by LMA whether this is associated with this crossing. (P. Amatya - DWR) FIELD_STRUCT_DESC: *REMOVED* 3-inch galvanized iron (GI) pipe through the levee, 1 foot below the crown. Pile structure in the stream. Damaged siphon breaker at the landside (LS) toe. (Permit No. 3340, 1960 - City of Stockton) FS Date: 11/29/2016					

Photo 1 of 3 : UCIP_SP_2017_51171_18134.jpg



WS- capped 3-inch GI pipe

LM Start	1.55	Rating **	M	Issue No.	70 (cont)
LM End	1.55	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_51171_18133.jpg



WS- soil erosion and gully formation due to leaky pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.55	Rating **	M	Issue No.	70 (cont)	
LM End	1.55	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.918411 °		37.918411 °
				-121.295128 °		-121.295128 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51171 DS_ID:18792 EP_NO: 3340 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 11/29/2016 Pipe was not found. As per DWR Inspector Richard Willoughby, pipe was removed by City without a permit. Erosion cited previously has been backfilled. Backfill material on WS is redder in color than original material, indicating a recent backfill. Crossing has been downgraded from Urgent to Non-Urgent since no permit issued for this work. (K. Fazel - UCIP)03/27/2013 Abandoned and capped 3-in GI pipe found on WS. Damaged air-valve/siphon breaker found on LS.Gully formed due to leaky pipe. A pump house found on LS but it needs to be verified by LMA whether this is associated with this crossing. (P. Amatya - DWR) FIELD_STRUCT_DESC: *REMOVED* 3-inch galvanized iron (GI) pipe through the levee, 1 foot below the crown. Pile structure in the stream. Damaged siphon breaker at the landside (LS) toe. (Permit No. 3340, 1960 - City of Stockton) FS Date: 11/29/2016						

Photo 3 of 3 : UCIP_SP_2017_51171_18132.jpg



WS- abandoned pump station.

LM Start	1.63	Rating **	C	Issue No.	10
LM End	1.63	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.917972 °	37.917972 °
				-121.293822 °	-121.293822 °
DWR ID	DWR_RD0404_02_f_2016_10				
Comment Code					
GA : Garbage					
Inspector Comment					
Garbage on waterward berm. LMA corrected issue.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.65	Rating **	U	Issue No.	19
LM End	1.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.917860 °	37.917860 °
				-121.293530 °	-121.293530 °
DWR ID	DWR_RD0404_02_s_2017_19				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Several sinkholes near toe of levee					

LM Start	1.65	Rating **	U	Issue No.	19 (cont)
LM End	1.65	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2017_RD0404_306_19_20170407_00034.jpg



Looking north at one of several sink holes at waterward toe.

Photo 2 of 2 : SP_2017_RD0404_306_19_20170407_00035.jpg



Looking north at several sink holes at waterward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.75	Rating **	M	Issue No.	71
LM End	1.75	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.917324 °	37.917324 °
				-121.291882 °	-121.291882 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41904					
DS_ID:18793					
EP_NO: 6623					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Need to contact owner to determine status of crossing and install markers if appropriate to do so.					
FIELD_STRUCT_DESC: 5-inch steel gas line through the levee, 6.4 feet below the crown and across channel. One CM cutoff wall.					
Waterward slope rock revetted. Vent pipe located at waterward shoulder. (Permit No. 6623-1969)					
FS Date: 3/27/2013					

No Photos

LM Start	1.75	Rating **	M	Issue No.	17
LM End	1.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.917315 °	37.917315 °
				-121.291807 °	-121.291807 °
DWR ID	DWR_RD0404_02_s_2016_17				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.76	Rating **	M	Issue No.	72
LM End	1.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.917284 °	37.917284 °
				-121.291740 °	-121.291740 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10846 DS_ID:18804 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only a 7 ft x 14 ft concrete vault found on LS.Needs a sign post.Bob Winter from KSN(representative of RD 404) will investigate on this crossing. FIELD_STRUCT_DESC: 1 of 2. 42-inch-diameter pipelines under the levee. Pipes cross under the channel. FS Date: 3/27/2013					

Photo 1 of 3 : UCIP_SP_2017_10846_18127.jpg



LS- 7' x 14' concrete vault.

LM Start	1.76	Rating **	M	Issue No.	72 (cont)
LM End	1.76	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_10846_18126.jpg



Crown view of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.76	Rating **	M	Issue No.	72 (cont)	
LM End	1.76	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.917284 °	37.917284 °	
				-121.291740 °	-121.291740 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:10846						
DS_ID:18804						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Only a 7 ft x 14 ft concrete vault found on LS.Needs a sign post.Bob Winter from KSN(representative of RD 404) will investigate on this crossing.						
FIELD_STRUCT_DESC: 1 of 2. 42-inch-diameter pipelines under the levee. Pipes cross under the channel.						
FS Date: 3/27/2013						

Photo 3 of 3 : UCIP_SP_2017_10846_18128.jpg



WS- no pipes found.

LM Start	1.76	Rating **	M	Issue No.	73
LM End	1.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.917284 °	37.917284 °
				-121.291740 °	-121.291740 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:12426 DS_ID:18787 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only a 7 ft x 14 ft concrete vault found on LS.Needs a sign post.Bob Winter from KSN(representative of RD 404) will investigate on this crossing. FIELD_STRUCT_DESC: 2 of 2. 42-inch-diameter pipelines under the levee. Pipes cross under the channel. FS Date: 3/27/2013					

Photo 1 of 3 : UCIP_SP_2017_12426_20130.jpg



LS- 7' x 14' concrete vault.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0404 Boggs

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 French Camp Slough	Right	1.75	04/06/2017 04/06/2017	Richard Willoughby

LM Start	1.76	Rating **	M	Issue No.	73 (cont)	
LM End	1.76	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.917284 °	37.917284 °	
				-121.291740 °	-121.291740 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:12426						
DS_ID:18787						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Only a 7 ft x 14 ft concrete vault found on LS.Needs a sign post.Bob Winter from KSN(representative of RD 404) will investigate on this crossing.						
FIELD_STRUCT_DESC: 2 of 2. 42-inch-diameter pipelines under the levee. Pipes cross under the channel.						
FS Date: 3/27/2013						

LM Start	1.76	Rating **	M	Issue No.	73 (cont)
LM End	1.76	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_12426_20129.jpg



Crown view of the levee.

Photo 3 of 3 : UCIP_SP_2017_12426_20131.jpg



WS- no pipes found.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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